

Anti-CEACAM6 Antibody (1L889)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1L889
Purification:	Protein A

Applications

Verified Activity:	<p>1. Flow cytometric analysis of Human CEACAM6 expression on human peripheral blood granulocytes. Cells were stained with purified anti-Human CEACAM6, then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of viable granulocytes.</p> <p>2. Immunofluorescence staining of Human CEACAM6 in SKBR3 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human CEACAM6 monoclonal antibody (1:300) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).</p>
Application:	ELISA,FCM
Recommended	ELISA: 1:25000-1:50000; FCM: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD66c protein (TMPY-00971)
Antigen Species:	Human
Synonyms:	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen);NCA;CEA;CD66c;CEAL

Research Background

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6), also known as nonspecific crossreacting antigen (NCA) and CD66c, is one of seven human CEACAM family members within the immunoglobulin superfamily. It s a glycosylphosphatidylinositol-linked immunoglobulin superfamily member that is overexpressed in a variety of human cancers, including colon, breast and lung and is associated with tumourigenesis, tumour cell adhesion, invasion and metastasis. CEACAM6 is a unique mediator of migration and invasion of drug resistant oestrogen-deprived breast cancer cells, and this protein could be an important biomarker of metastasis. CEACAM6 is expressed by granulocytes and their progenitors. It is also expressed by epithelia of various organs and is upregulated in pancreatic and colon adenocarcinomas, as well as hyperplastic polyps. Resistance to adhesion-related apoptosis in tumor cells is conferred in the condition of CEACAM6 overexpression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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